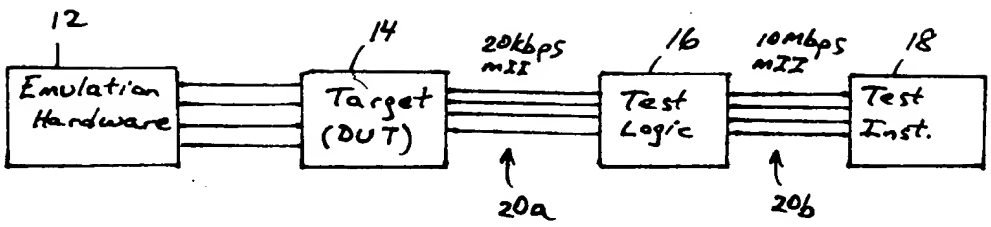

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Figure 1
(Prior Art)

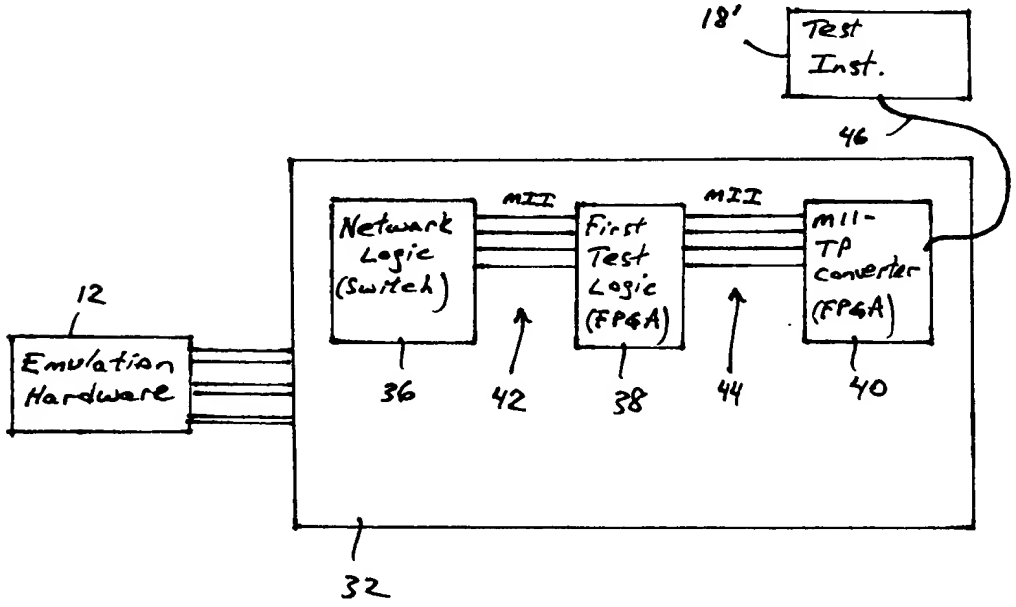

Figure 2

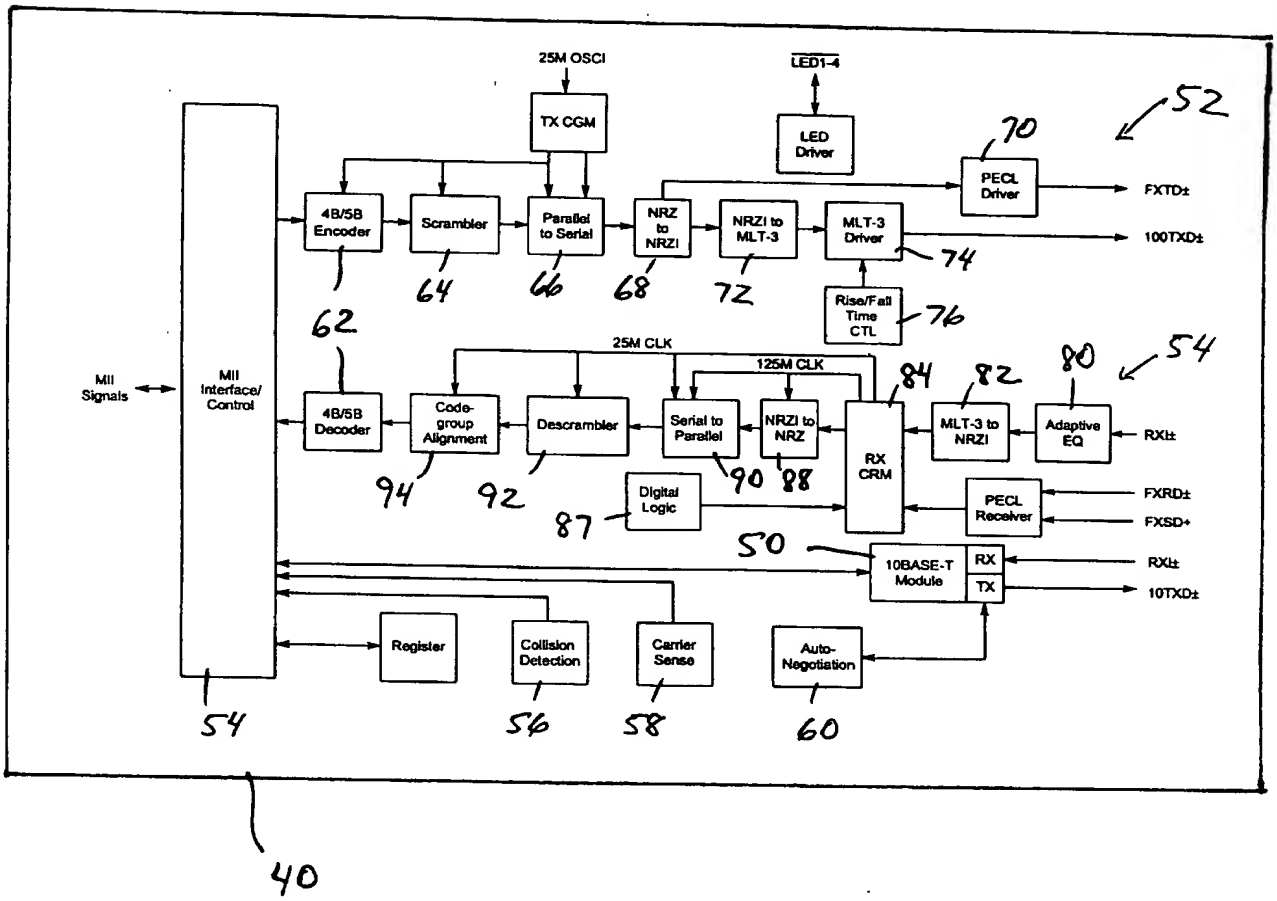
25M OSCI
TX CGM
LED1-4
LED Driver
52
70
PECL Driver
FXTD±
100TXD±
4B/5B Encoder
Scrambler
Parallel to Serial
NRZ to NRZI
NRZI to MLT-3
MLT-3 Driver
74
Rise/Fall Time CTL
76
64
66
68
72
62
25M CLK
125M CLK
84
82
80
54
MII Signals
MII Interface/ Control
4B/5B Decoder
Code-group Alignment
Descrambler
Serial to Parallel
NRZI to NRZ
RX CRM
MLT-3 to NRZI
Adaptive EQ
RXI±
94
92
90
88
Digital Logic
87
PECL Receiver
FXRD±
FXSD+
50
10BASE-T Module
RX
TX
RXI±
10TXD±
Register
Collision Detection
Carrier Sense
Auto-Negotiation
54
56
58
60
40

Figure 3